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UNITED STATES PLANT PATENT APPLICATION

of

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for

COMPACT FLORIBUNDA
ROSE PLANT NAMED

'POULac010'

COMPACT FLORIBUNDA
ROSE PLANT NAMED

'POULac010'

ABSTRACT OF THE DISCLOSURE

A new garden rose plant of the compact floribunda class which has abundant, pink flowers and attractive foliage. This new and distinct variety has shown to be uniform and stable in the resulting generations from asexual propagation.

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Rosa hybrida

VARIETY DENOMINATION

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'POULac010'

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The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between a female parent 'POULmax', described and illustrated in U.S. Plant Patent Application No. 10/192,746 ~~issued on~~ ^{DATED} July 9, 2002 and the unnamed male parent. The two parents were crossed during the summer of 1992 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULac010'.

15

The new variety may be distinguished from its female seed parent, 'POULmax' by the following combination of characteristics:

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1. While the seed parent 'POULmax' has a flower bud color of Red Group 46C to 47D the same of 'POULac010' is Red-Purple Group 58A to 58B.

25

2. While the seed parent 'POULmax' has a petal count of 18 to 22 petals the same of 'POULac010' is ~~36~~ 40 to 45 petals.

3. While the seed parent 'POULmax' has a general tonality of Red Group 43C the same of 'POULac010' is Red-Purple Group 58C.

5 The new variety may be distinguished from its unnamed male pollen parent, by the following combination of characteristics:

- 10 1. While the pollen parent has flower tonality which is true red, 'POULac010' is Red-Purple Group 58D.
2. While the pollen parent has a larger flower bud size than that of 'Poulac010'.

15 The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

- 20 1. Uniform and abundant pink flowers;
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
3. Disease resistance.

25 This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventors, and distinguish 'POULac010' from all other varieties of which we are aware.

As part of their rose development program, L.
Pernille Olesen and Mogens N. Olesen germinated the seeds
from the aforementioned hybridization during winter of
1992 and conducted evaluations on the resulting seedlings
5 in a controlled environment in Fredensborg, Denmark.

'POULac010' was selected in the spring 1993 by the
inventors as a single plant from the progeny of the
aforementioned hybridization.

Asexual reproduction of 'POULac010' by traditional
10 budding and rooted cuttings was first done by L. Pernille
and Mogens N. Olesen in their nursery in Fredensborg,
Denmark in July, 1993. This initial and other subsequent
asexual propagations conducted in controlled environments
have demonstrated that the characteristics of 'POULac010'
15 are true to type and are transmitted from one generation
to the next.

BRIEF DESCRIPTION OF THE DRAWING

20 The accompanying color illustration shows as true as
is reasonably possible to obtain in color photographs of
this type, the typical characteristics of the buds,
flowers, leaves, and stems, of 'POULac010'. Specifically
illustrated in SHEET 1:

25 Fig 1.1; Open flower, and cluster of open

flowers, showing branching, and the attachment of leaves, buds, and peduncles;

Fig 1.2; Sepals, peduncles, receptacles;

5 Fig 1.3; Flower petals, detached;

Fig 1.4; Compound leaf;

Fig 1.5; Bare stem exhibiting thorns.

10

DETAILED DESCRIPTION OF THE VARIETY

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The following is a description of 'POULac010', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants were budded on to *Rosa multiflora* root stock and are 3 years of age. Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

20

For a comparison, several physical characteristics of the rose variety 'Poulmona', a rose variety from the same inventors described and illustrated in U.S. Plant Patent Application No. 10/211,119 dated August 2, 2002, are compared to 'POULac010' in Chart 1.

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CHART 1

	'POULac010'	'POULmona'
5	General tonality	Red-Purple Group 58C 58B
	Petalage	45 petals <u>40 TO 45 PETALS.</u>
10	Bud Color at 1/4 open.	Red-Purple Group 58 A to 58 B 58 B and C
15	Compound leaf measurements	80 mm (l) x 45 mm (w) 90 mm (l) x 75 mm (w)

Parents:

Female Seed Parent: 'POULmax'

Male Pollen Parent: Unnamed plant

20

FLOWER AND FLOWER BUD

Blooming habit: Continuous.

Flower bud:

25 Size: Upon opening, 27 mm in length from base of receptacle to end of bud.

Bud form: Pointed ovoid.

Bud color: As sepals unfold, petals are
Red-Purple Group 58A to 58B.

Sepals:

Upper Surface:

5 Color: Yellow-Green Group 144B to
144A.

Surface: Moderately pubescent.

Lower Surface:

Color: Yellow-Green Group 144B.

10 Sepal Shape: Sepal apex is cirrhose.
Base is flat at union with
receptacle.

Sepal Margin: Margins have no foliaceous
appendages on three of the
five sepals.

15 Size: 21 mm (l) x 7 mm (w).

Receptacle:

Surface Texture: Smooth.

Shape: Urn-shaped.

20 Size: 6 mm (h) x 6 mm (w).

Color: Yellow-Green Group 144A.

PEDICEL:

Peduncle:

Surface: Smooth and glabrous.

Length: 30 to 35 mm in length.

Diameter 2.5 mm.

25 Color: Yellow-Green Group 144A.

Anthocyanic intonations of
Greyed-Orange Group 177A
observed.

Strength: Somewhat strong.

5 Borne: In clusters of 5 flower
 buds per stem.

Flower bloom:

Fragrance: Light floral scent.

Duration: The blooms have a duration on
10 the plant of approximately 7 to
 10 days. After flowers have
 completely matured, petals fall
 cleanly away from plant.

15 Size: Flower diameter is 55 mm when
 open. Flower depth is 28 mm on
 average.

Form: General shape is a rosette with
 many overlapping petals of
20 varied sizes.

Shape of flower when viewed from the side:

Upon opening,

upper part: flattened convex.

lower part: flattened convex.

25

Open flower,

upper part: flat.

lower part: concave.

Petalage: 40 to 45 petals under normal conditions

5

~~with 12 petaloids.~~ 5 to 10 of which
ARE PETALOIDS.

Color:

Upon opening, petals:

Outermost petals:

Outer side: Red-Purple Group 58A to

10

58B.

Inner Side: Red-Purple Group 58C.

Innermost petals:

Outer side: Red-Purple Group 58B to

58C.

15

Inner Side: Red-Purple Group 58C.

Upon opening, basal petal spots:

Outermost petals:

Outer side: Yellow Group 5B.

Inner Side: Yellow Group 5B.

20

Innermost petals:

Outer side: Yellow Group 5B.

Inner Side: Yellow Group 5B.

After opening, petals:

Outermost petals:

25

Outer side: Red-Purple Group 58D with

light intonations of Red-

Purple Group 58B.

Inner Side: Red-Purple Group 58D.

Innermost petals:

5

Outer side: Red-Purple Group 58C to 58D, ~~58~~ with
light intonations of Red-
Purple Group 58B.

Inner Side: Red-Purple Group 58D.

After opening, basal petal spots:

10

Outermost petals:

Outer Side: Yellow Group 5C.

Inner Side: Yellow Group 5C.

Innermost petals:

Outer Side: Yellow Group 5C.

15

Inner Side: Yellow Group 5C.

General Tonality: On open flower Red-Purple Group
58C. No change in the general
tonality at the end of the 10th
day.

20

Petals:

Petal Reflex: Somewhat reflexed.

Margin: Entire and uniform.

Shape: Apex: Round.

25

Base: Acute.

Size: Variable. Outer petals are 30 mm(l) x 30 mm(w). Inner petals are 28 mm (l) x 15 mm (w).

Texture: Smooth.

5 Thickness: Average.

Arrangement: Not Formal.

Petaloids:

Quantity: 10 to 15.

Color:

10 Upper Surface: Red-Purple Group 58D.

Lower Surface: Red-Purple Group 58D.

Size: 23 mm (l) x 15 mm (w).

Shape: Apex is rounded. Base is acute.

15

Reproductive Organs:

Pistils:

Length: 4 mm.

Quantity: 35.

20 Pollen: None observed.

Anthers:

Size: 2 mm in length.

Color: Greyed-Yellow Group 162A.

Quantity: 40 (actual count).

25 **Filaments:**

Color: Yellow Group 8A to 8B.
Length: 6 mm.
Stigmas: Inferior relative to the
length of filaments and
the height of the anthers.
5
Color: Greyed-Yellow Group 160C.
Styles: Length: 6 MM ON AVERAGE.
Color: Greyed-Yellow Group 160C.
Hips: None Observed in the field nursery in
10 Jackson County Oregon.

PLANT

Plant growth: Moderate, upright to bushy. When
15 grown as a budded field grown plant
on *Rosa multiflora* understock, the
average height of the plant is 40 to
60 cm and the average width is 40 cm.

Stems:
20 Color:
Young wood: Yellow-Green Group 146C.
Older wood: Yellow-Green Group 146C.
Surface Texture:
Young wood: Smooth.
25 Older wood: Rough.

Thorns:

Incidence: 14 thorns per 10 cm of stem.

Size: Average length: 6 mm.

Color: ~~Greyed Orange Group 175B.~~

5 Shape: Concave.
Color: ~~MATURE THORNS ARE YELLOW GREEN~~
~~GROUP 146C. JUVENILE THORNS ARE~~
~~GREYED ORANGE, GROUP 176A.~~

Plant foliage: Normal number of leaflets on
normal leaves in middle of the
stem: 5 to 7 leaflets.

10 Compound Leaf size: On average, compound
leaves are 80 mm in length
by 45 mm wide.

Color:

Mature Foliage:

15 Upper surface is Yellow-Green Group
147A to 147B. Lower surface is
Yellow-Green Group 146B.

Juvenile foliage:

Upper surface is Yellow-Green Group
144A with intonations of Yellow-Green
Group 152A. Lower surface is Yellow-
Green Group 144A with Yellow-Green
Group 152A. Anthocyanic intonations
the color of Greyed-Orange Group 173A
observed.

Anthocyanin:

Location: New shoots and leaves.

Color: Greyed-Orange Group 173A.

5

Plant leaves and leaflets:

Stipules:

Size: 25 mm in length.

Quantity: 2 per compound leaf.

Margins: Medium to average quantity

10

of stipitate glands

observed.

Color: Yellow-Green Group 144A.

Petiole:

Length: 27 mm.

15

DIAMETER:
Color:

2 mm,
Yellow-Green Group 144A to

144B. Anthocyanic

intonations the color of

Greyed-Red Group 181A

observed.

20

Underneath: Prickles.

Observations: Few stipitate glands on
upper surface.

Rachis:

Length: 35 to 40 mm.

25

Color: Yellow-Green Group 144A to

144B.

Underneath: Prickles.

Observations: Few stipitate glands on upper surface.

5 Leaflet:

Margins: Doubly serrated.

Size: Average size of the terminal leaflet on normal leaves 22 to 30 mm (l) x 16 to 27 mm (w).

10 Shape: Ovate to round. Leaflet base is cuneate. Leaflet apex is cuspidate.

Arrangement: Odd pinnate.

15 Venation: Reticulate.

Texture: Smooth.

Glossiness: Glossy.

Disease resistance:

20 Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

Cold Hardiness:

25 The variety 'POULac010' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.

CLAIM

A new and distinct variety of rose plant of the
5 compact floribunda rose class, substantially as herein
illustrated and described as a distinct and novel rose
variety due to its abundant pink, disease resistance, and
extended period of bloom.